

## ABSTRACT OF THE DISCLOSURE

A system for delivery of a medium having ultrasound contrast enhancement agents therein to a patient includes a pressurizing device for pressurizing the medium, a fluid path connecting the pressurizing device to the patient and a concentration sensor in communication with the fluid path. The concentration of the contrast enhancement agents is measured by the concentration sensor during injection of the medium into the patient to assist in controlling the delivery system and/or an imaging procedure.